## Index of Claims

## Application/Control No.

| Applicant(s)/Patent und<br>Reexamination | der |
|------------------------------------------|-----|
| Reexamination                            |     |

| 09/973,8 |
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| Examine  |

| 09/973,871 | BUNN ET AL. |  |  |  |  |  |  |  |
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|           |          | 1       | R        | eje      | cte      | d        |          |   | - |                 | (TI | nrou<br>Ca | igh n<br>ance | um       | er:      | al)      |          |     | N      | N             | on-      | Ele       | cte    | ed    |            | A        |          | A        | pp        | ea            | ı |
|-----------|----------|---------|----------|----------|----------|----------|----------|---|---|-----------------|-----|------------|---------------|----------|----------|----------|----------|-----|--------|---------------|----------|-----------|--------|-------|------------|----------|----------|----------|-----------|---------------|---|
|           |          | =       | A        | llo      | we       | d        |          |   | ÷ | Restricted I II |     |            |               |          |          |          | In       | ter | fere   | ene           | е        |           | O Obje |       |            |          |          |          |           |               |   |
| Cla       | im       | _       | _        | -        | -        | ate      | _        | _ |   | _               | 1   | Cla        | aim           | _        |          | _        | D        | ate |        |               |          | $\neg$    | Г      | Cla   | aim        | _        |          |          |           | ate           |   |
|           | -e       | 12      | П        |          |          |          |          |   |   |                 | 1   |            |               |          |          |          | T        | 7   |        | ٦             |          | 7         | ı      |       |            | П        |          | П        | Ť         | T             |   |
| Final     | Original | 4<br>07 |          |          |          |          |          |   |   |                 |     | Final      | Original      |          |          |          |          |     |        |               |          |           |        | Final | Original   |          |          |          |           |               |   |
|           | 1        | V       |          |          |          |          |          |   |   |                 | ı   |            | 51            |          |          |          |          |     |        |               | -        | $\exists$ | İ      |       | 101        |          |          |          |           |               |   |
| $\vdash$  | 2        | Н       | Ш        | _        | -        | _        | _        | _ | Н | -               |     |            | 52<br>53      | $\vdash$ | -        | -        | +        | 4   | 4      | -             | -        | 4         | -      | _     | 102        | Н        | _        | _        | -         | $\dashv$      |   |
|           | 4        | Н       | Н        | -1       | -        | -        | $\dashv$ | - | Н | $\dashv$        | - 1 |            | 54            | $\vdash$ | $\dashv$ | $\dashv$ | +        | -   | -      | $\dashv$      | -        | $\dashv$  | ŀ      | -     | 103        | $\vdash$ | $\dashv$ | $\dashv$ | +         | +             |   |
| Н         | 5        | H       | Н        | 1        | -        | -        | -        |   | Н | ┪               | - 1 |            | 55            | Н        | -        | -        | +        | +   | -      | -             | +        | $\dashv$  | ŀ      | =     | 105        | Н        | -        | -        | +         | +             |   |
|           | 6        | Н       |          | _        | $\dashv$ | $\neg$   | $\neg$   | - | т | -               | - 1 |            | 56            | Н        | _        |          | $^{+}$   | 7   | -      | $\dashv$      | +        | ┪         | ŀ      |       | 106        |          | -        | -        | +         | 7             | ٠ |
|           | 7        |         |          |          |          |          |          |   |   | П               | - 1 |            | 57            |          |          | $\neg$   |          | ٦   |        | 7             | 7        | 7         | r      |       | 107        |          | _        | $\neg$   | $\neg$    | $\neg$        | ٠ |
|           | 8        |         |          |          |          |          |          |   |   |                 |     |            | 58            |          |          |          |          |     |        |               | $\Box$   |           |        |       | 108        |          |          |          | $\exists$ | $\exists$     |   |
|           | 9        |         |          |          |          |          |          |   |   |                 |     |            | 59            |          |          |          |          |     |        |               |          |           |        |       | 109        |          |          |          | $\exists$ |               |   |
|           | 10       | Ш       |          |          |          |          |          |   |   | _               | - [ |            | 60            | Ц        | _        | _        | 4        | _   | _      | _             | _        | _         | L      |       | 110        |          | _        | _        | 4         | 4             |   |
|           | 11       | 1       | Н        | -        | -        | _        | -        | _ | Ш | _               | - 1 |            | 61            | Н        | -        | -        | 4        | _   | -      | -             | 4        | 4         | ŀ      |       | 111        |          | _        | -        | -         | $\dashv$      |   |
| $\vdash$  | 12       | н       | Н        | -        | -        | $\dashv$ | -        |   | Н | -               | - 1 |            | 62            | -        | -        | -        | -        | -   | -      | -             | +        | $\dashv$  | H      | _     | 112        | Н        | $\dashv$ | $\dashv$ | +         | $\dashv$      |   |
| $\vdash$  | 14       | +       | Н        | $\dashv$ | $\dashv$ | $\dashv$ | -        | - | Н | $\dashv$        | - 1 |            | 64            | Н        | -        | -        | +        | -   | -      | -             | +        | $\dashv$  | ŀ      | _     | 114        | Н        | $\dashv$ | $\dashv$ | +         | +             |   |
| -         | 15       | +       | -        |          | -        | -        | -        |   | Н | -               |     |            | 65            | $\vdash$ | $\dashv$ | $\dashv$ | +        | -   | -      | $\dashv$      | +        | $\dashv$  | Н      |       | 115        | Н        | $\dashv$ | $\dashv$ | +         | -             |   |
| _         | 16       | +       | Н        | $\dashv$ | -        | -        | _        | _ | Н | -               |     |            | 66            | $\vdash$ | $\dashv$ | _        | $^{+}$   | T   |        | $\dashv$      | $\dashv$ | _         | ŀ      |       | 116        | Н        | $\neg$   | $\neg$   | +         | 7             | • |
|           | 17       | т       | П        | $\neg$   |          |          |          |   |   | $\neg$          | - 1 | _          | 67            | $\neg$   | _        | $\neg$   | _        | П   |        |               |          | 7         | ı      |       | 117        |          | $\neg$   |          | $\top$    | $\neg$        |   |
|           | 18       | Т       | П        | $\neg$   |          | $\neg$   | $\neg$   |   | П | _               | - 1 |            | 68            |          |          |          |          |     |        |               |          |           |        |       | 118        |          |          |          | $\neg$    | $\exists$     |   |
|           | 19       |         |          |          |          |          |          |   |   |                 | - 1 |            | 69            |          |          | $\neg$   |          |     |        |               |          |           |        |       | 119        |          |          |          | $\Box$    | $\Box$        |   |
|           | 20       | Н       |          |          |          |          |          |   |   |                 | - [ |            | 70            |          |          |          | $\perp$  |     | _      |               |          | _         | L      |       | 120        |          | _        | _        | _         | _             |   |
|           | 21       | 1       |          | _        | _        | _        | _        |   |   | _               | - 1 |            | 71            | Ш        | _        | _        | _        | _   | _      | $\perp$       | _        | _         | L      |       | 121        |          |          |          | $\perp$   | _             |   |
| $\vdash$  | 22       | ш       | Ш        | _        | _        | $\dashv$ | _        | _ | Ш | 4               | - 1 |            | 72            | _        | -        | -        | -        | 4   | _      | -             | 4        | 4         | ŀ      | _     | 122        | $\Box$   | _        | -        | +         | 4             |   |
|           | 23       | ₽       | $\Box$   | 4        |          | $\dashv$ | _        | _ | Щ | _               | - 1 |            | 73            | 4        |          | -        | 4        | 4   | -      | -             | 4        | 4         | -      | _     | 123        |          | -        | -        | +         | -             |   |
| $\vdash$  | 24       | •       | $\dashv$ | $\dashv$ | -        | $\dashv$ | -        | _ | Н | -               | ł   |            | 74<br>75      | $\dashv$ |          | -        | +        | -   | -      | $\rightarrow$ | +        | $\dashv$  | H      | _     | 124<br>125 | -        | -        |          | +         | -             |   |
| $\vdash$  | 26       | Н       | Н        | -        | -        | -        | $\dashv$ | - | Н | -               | ł   |            | 76            | $\dashv$ | $\dashv$ | -1       | -+       | -   | -      | -             | +        | $\dashv$  | Н      |       | 126        | Н        | $\dashv$ | $\dashv$ | +         | $\dashv$      |   |
| $\vdash$  | 27       | Н       | Н        | -        | $\dashv$ | _        | $\dashv$ |   | Н | $\dashv$        | ŀ   |            | 77            | $\dashv$ | $\dashv$ | -        | +        | +   | -      | -             | +        | $\dashv$  | H      |       | 127        | H        | -        | $\dashv$ | +         | $\dashv$      |   |
|           | 28       |         |          | 寸        |          |          |          |   |   | ╗               | ı   | -          | 78            | $\dashv$ | $\neg$   | $\neg$   | $^{+}$   | 7   | $\neg$ | 7             | $^{+}$   | ┪         | h      |       | 128        |          | $\neg$   | $\neg$   | $^{+}$    | $\dashv$      | • |
|           | 29       |         |          | 1        |          |          |          |   |   | $\neg$          | ı   |            | 79            |          |          |          |          | П   |        | _             | _        | 7         | ı      | _     | 129        |          | $\neg$   | $\neg$   | 1         | $\neg$        | • |
|           | 30       |         |          |          |          |          | $\neg$   |   |   | <b>\</b>        | - 1 |            | 80            |          | $\neg$   | $\neg$   | 7        |     |        |               | $\neg$   | 7         | ı      |       | 130        |          |          |          | $\neg$    | $\neg$        | • |
|           | 31       |         |          |          |          |          |          |   |   |                 | [   |            | 81            |          |          |          |          |     |        | $\neg$        |          |           |        |       | 131        |          |          |          | $\Box$    | $\Box$        |   |
|           | 32       |         |          |          |          |          |          |   |   | _               | Į   |            | 82            |          |          | _        | 1        |     |        | _]            | 1        | 4         | -      |       | 132        | Ш        |          | _        | _         | _             |   |
| $\vdash$  | 33       | Ш       | Ш        |          |          |          | _        | _ | Ш | _               | ļ   |            | 83            | _        | _        | _        | $\perp$  | 4   |        | _             | 4        | 4         | 1      | _     | 133        | $\sqcup$ | -        | _        | -         | 4             |   |
| $\vdash$  | 34       | Н       | $\vdash$ | -        | -        | -        | $\dashv$ | _ | Н | 4               | ļ   |            | 84<br>85      | $\dashv$ | -        | -        | +        | 4   | -      | $\dashv$      | +        | $\dashv$  | H      | _     | 134<br>135 | $\vdash$ | -        | -        | +         | $\dashv$      |   |
| $\vdash$  | 36       | Н       | $\vdash$ | -        | -        | $\dashv$ | $\dashv$ |   | Н | -               | ł   | _          | 86            | $\dashv$ | $\dashv$ | -+       | +        | +   | -      | $\dashv$      | +        | +         | H      | -     | 135        | $\vdash$ | -        | -        | +         | +             |   |
| -         | 37       | Н       | $\vdash$ | -        | -        | $\dashv$ | $\dashv$ | - | Н | $\dashv$        | ł   |            | 87            | $\dashv$ | $\dashv$ | +        | +        | +   |        | -             | +        | $\dashv$  | H      |       | 137        | Н        | $\dashv$ | -        | +         | $\dashv$      |   |
| -         | 38       |         |          | -        | -        | $\neg$   | -        | _ | Н | Н               | ŀ   |            | 88            |          | -1       | $\dashv$ | +        | -   | -      | $\dashv$      | -        | $\dashv$  | H      |       | 138        | Н        | $\dashv$ | $\dashv$ | +         | $\dashv$      |   |
|           | 39       | Н       | Н        |          |          | _        | $\neg$   |   | Н | -               | ł   | _          | 89            | $\dashv$ | $\dashv$ | -        | $^{+}$   | 7   |        | $\dashv$      | 1        | $\dashv$  | ı      |       | 139        |          | 7        | -        | +         | +             |   |
|           | 40       |         |          |          |          |          | $\dashv$ |   | П | ┪               | ı   |            | 90            | $\neg$   | $\neg$   | 7        | $\top$   | 7   | П      | 7             | 1        | 7         | T      | _     | 140        | П        | _        |          | $\dashv$  | 寸             | • |
|           | 41       |         |          |          |          |          |          |   |   |                 | ı   |            | 91            |          |          |          |          |     |        |               |          |           | Γ      |       | 141        |          |          |          | ⇉         |               |   |
|           | 42       |         |          |          |          |          |          |   |   |                 |     |            | 92            |          |          | $\Box$   | I        |     |        |               | I        | _         |        |       | 142        |          |          |          | Ţ         |               |   |
| $\square$ | 43       | Ц       | Ц        | _[       | _[       | _]       | _        |   | Ш | _               | Į   |            | 93            | Ц        |          | _        | 4        | _   | _      | _             | _[       | 4         | F      |       | 143        | Ш        |          | _        | _         | _             |   |
| $\vdash$  | 44       | Ш       | $\sqcup$ |          |          |          | _        |   | Ш | _               |     |            | 94            | Ц        | _        | _        | $\perp$  | 4   | _      | _             | 4        | 4         | 1      |       | 144        | Н        | -        | _        | $\dashv$  | 4             | _ |
| $\vdash$  | 45       | Ш       | Н        | _        | _        | _        | _        | _ | Ш | -               | -   |            | 95            | $\dashv$ | -        | -        | +        | 4   | -      | -             | -        | 4         | -      | _     | 145        | Н        | $\dashv$ | $\dashv$ | +         | $\rightarrow$ |   |
| $\vdash$  | 46<br>47 | Н       | Н        | $\dashv$ | -        | $\dashv$ | -        | - | Н | $\dashv$        | ŀ   |            | 96<br>97      | $\dashv$ | -        | -+       | +        | 4   | -      | +             | +        | +         | ŀ      | -     | 146        | Н        | -        | $\dashv$ | +         | +             |   |
| $\vdash$  | 48       | Н       | $\vdash$ | -        | -        | $\dashv$ | -        | - | Н | $\dashv$        | ł   |            | 98            | $\dashv$ | $\dashv$ | -        | +        | 4   | -      | -             | -        | $\dashv$  | H      |       | 148        | Н        | $\dashv$ | $\dashv$ | +         | -             |   |
|           | 49       | Н       | Н        | -+       | -        | $\dashv$ | -        | - | Н | $\dashv$        | 1   |            | 99            | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +   | -      | +             | +        | $\dashv$  | ŀ      |       | 149        | Н        | -        | -        | +         | $\dashv$      | ۰ |
|           | 50       | П       | $\vdash$ | -+       | -+       | $\dashv$ | -        |   | Н | $\exists$       | Ì   |            | 100           | $\dashv$ | $\dashv$ | 7        | $^{+}$   | 7   | _      | _             | 7        | ┪         | t      | -     | 150        |          |          |          | 7         | $\neg$        | • |
|           |          |         |          |          |          |          |          |   |   |                 |     |            |               |          |          |          |          |     |        |               |          |           |        |       |            |          |          |          |           |               |   |

| A | Appeal   |
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| 0 | Objected |